

ISOFLECT INSULATION

BEST THERMAL INSULATION MANUFACTURER - 2023
BUILD CONSTRUCTION & ENGINEERING AWARDS



BUILD AWARD WINNER 2023



BUILD AWARD WINNER 2024

Radon Gas Barrier

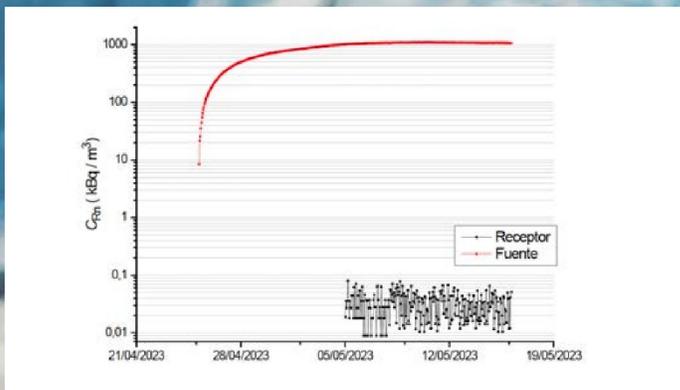


ISO FLECT INSULATION

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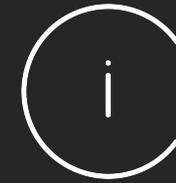
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Isoflect Floor Pro stops Radon Gas from entering your home. It spreads over the entire surface. All overlaps, joints, perforations and generally all points where Radon Gas could penetrate are sealed with Isoflect Premium Tape aluminium tape. Spread on the concrete slab with the aluminium foil down and the bubble foil up. The concrete slab must be completely dry. Afterwards, any element can be installed. When laid on walls, Isoflect Floor Pro replaces the classic perimeter tape. Joints and overlaps are sealed with aluminium tape.



Muestra / Sample	Coeficiente de difusión / Diffusion coefficient $D (m^2 s^{-1})$	
	Valor medio Mean value	Incertidumbre Uncertainty
Isoflect Floor Pro	$< 1,0 \cdot 10^{-13}$	





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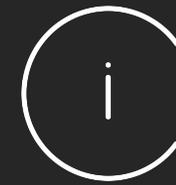
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Benefits:

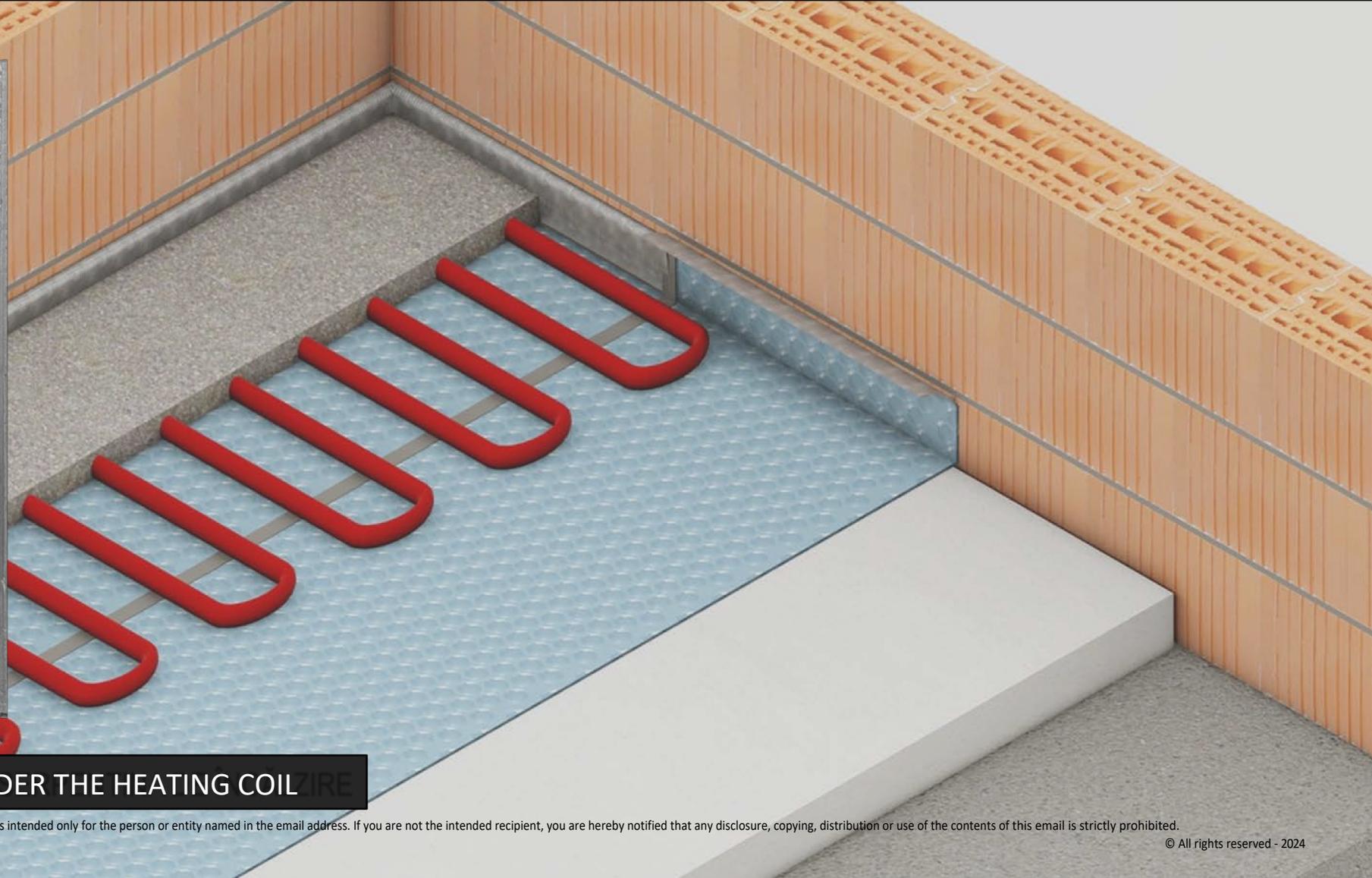
- increases the performance of underfloor heating by about 30%
- recovers heat and returns it to the space to be heated
- Certification of active protection against radon ingress
- excellent compressive strength
- reduces noise transmitted through the floor





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ISO FLECT FLOOR PRO | DIRECTLY UNDER THE HEATING COILS

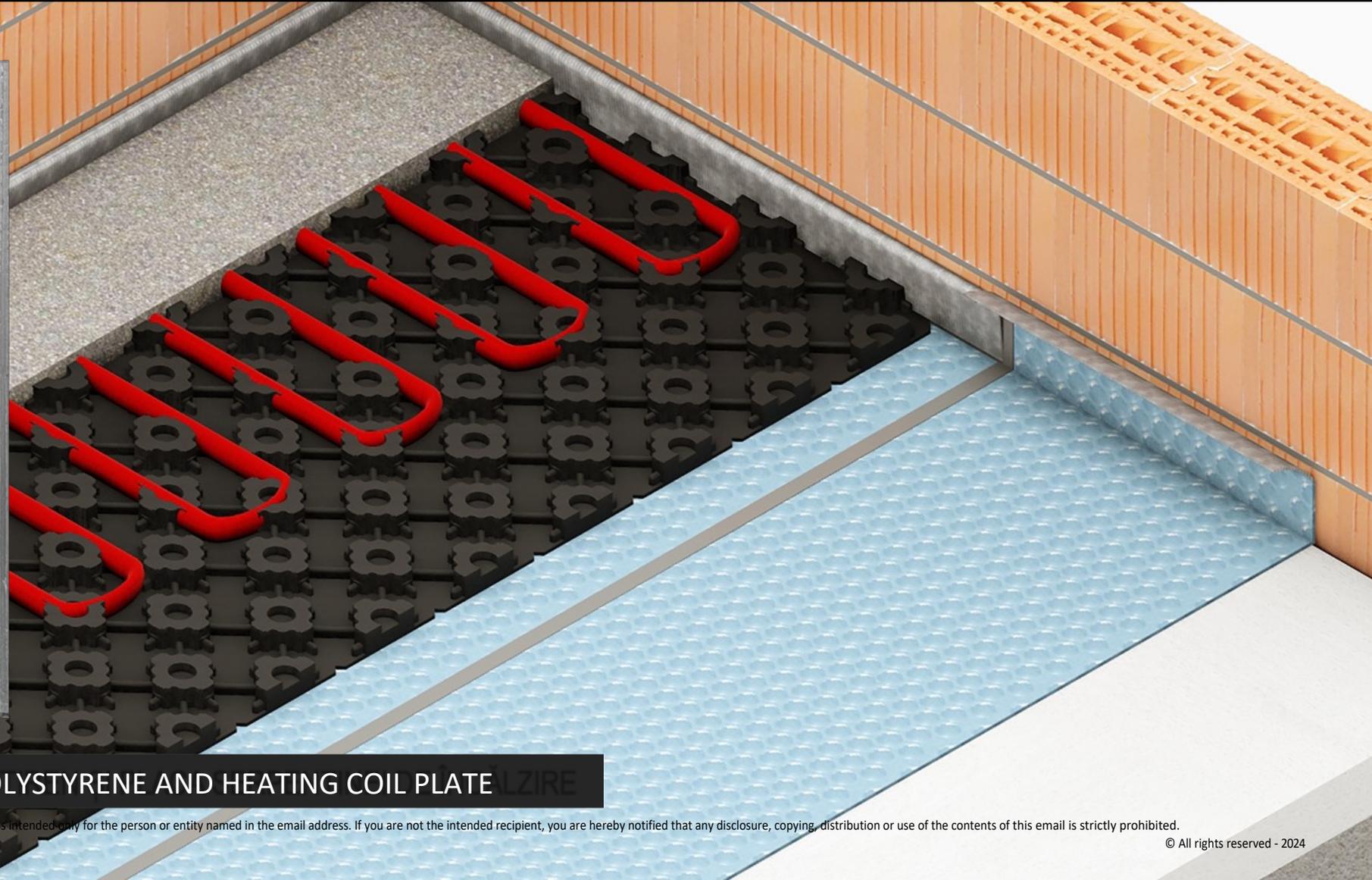
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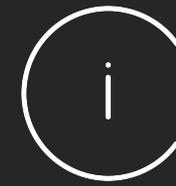


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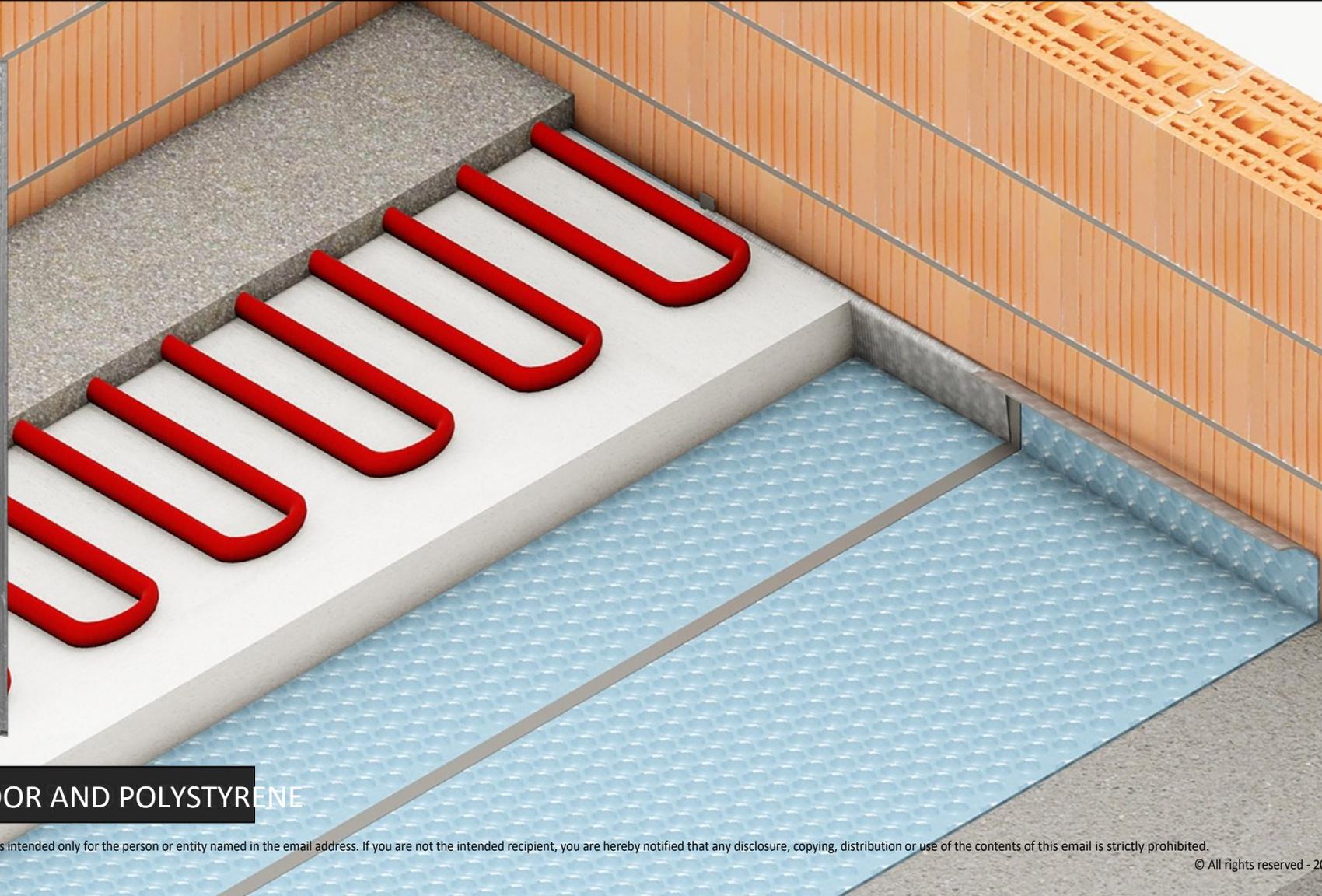


ISO FLECT FLOOR PRO | BETWEEN POLYSTYRENE AND HEATING COIL PLATE



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ISOFLECT FLOOR PRO | BETWEEN FLOOR AND POLYSTYRENE

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Isoflect Floor Pro is installed with the aluminium face down.

For perimeter coverage, it is applied in a double layer and will thus replace the classic perimeter tape. Surplus will be removed later with a cutter.

There is no need to overlap adjacent layers.

At joints, seal with Isoflect Premium Tape 10 cm.

ISOFLECT FLOOR PRO | INSTALLATION DETAILS



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More about Radon in the links below: World Health Organization

<https://www.who.int/news-room/fact-sheets/detail/radon-and-health>



European map of average indoor radon concentration.

<https://remon.jrc.ec.europa.eu/About/Atlas-of-Natural-Radiation/Digital-Atlas/Indoor-radon-AM/Indoor-radon-concentration>



NOTE: Where Radon emissions do not occur, measurements are simply not taken. According to researchers, Radon emissions exist all over the Earth's surface, with differences and fluctuations that cannot yet be explained or predicted.

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